all about you

User Manual

MiVue™ 82x

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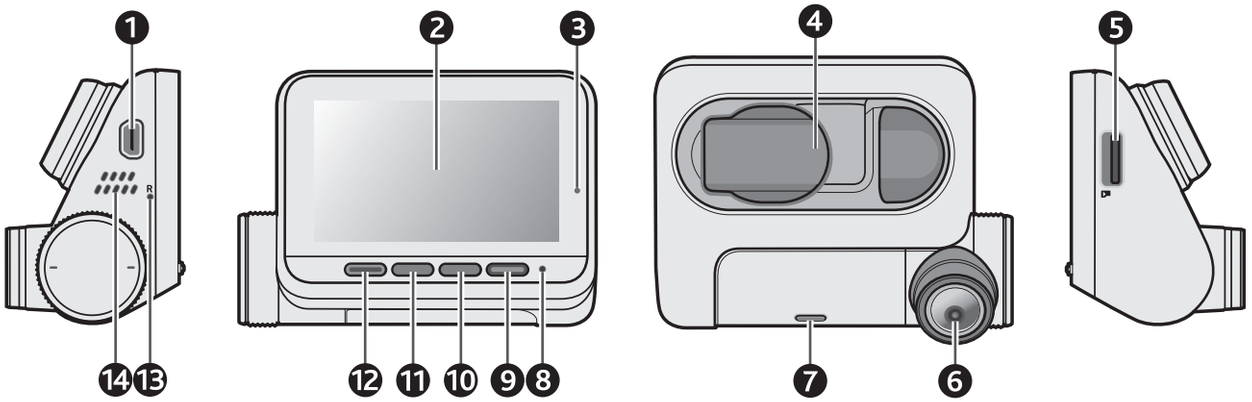
Precautions and notices

- Do not operate the device while driving. Using this product does not change the requirement for a driver to take full responsibility for his or her behavior. This responsibility includes observing all traffic rules and regulations in order to avoid accidents, personal injury or property damage.
- A window mount is needed when using your Mio in a car. Make sure that your Mio is placed in an appropriate place, so as not to obstruct the driver's view or deployment of airbags.
- Make sure that no object is blocking the camera lens and no reflective material appears near the lens. Please keep the lens clean.
- If the car's windscreen is tinted with a coating, it may impact the recording quality.

Getting to know your Mio



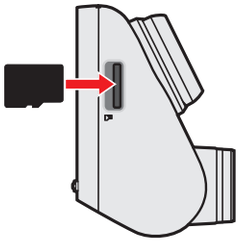
	Name	Description
❶	**Mini-USB connector**	Connects to the charger.
❷	**LCD screen**	Displays the output of your device.
❸	**Status indicator**	• Glows in green when the device is powered. • Flashes in amber when recording is in progress.
❹	**Device mount socket**	For the device mount.
❺	**Memory card slot**	Data is recorded to a MicroSD card.
❻	**Camera lens**	Make sure that no object is blocking the camera lens and no reflective material appears near the lens.
❼	**Parking indicator**	Glows in white when the system enters the parking mode. (This is applicable only when your Mio is in the smart parking detection mode.)
❽	**Microphone**	Records sounds.
❾	**Event / OK button**	• When recording is in progress, press to lock and save it as an event recording. • Acts as the ENTER button.
❿	**Camera / Down button**	• Takes a photo. • Moves to the previous item. • Changes the fast-backward speed.
⓫	**Safety Cam / Up button**	• Adds a custom safety (speed) camera. • Moves to the next item. • Changes the fast-forward speed.
⓬	**Menu / Back button**	• Opens the settings menu. • Returns to the previous screen.
⓭	**Reset button**	Restarts the device.
⓮	**Speaker**	Outputs sound alerts.

Using a memory card

You have to insert a memory card before you can start recording. Your device supports Class 10 (or higher) memory cards with up to 256 GB capacity.

Hold the card (MicroSD) by the edges and gently insert it into the slot as shown in the illustration.

To remove a card, gently push the top edge of the card inwards to release it, and pull it out of the slot.



- Do not apply pressure to the centre of the memory card.
- The memory card slot is not hot-swappable. Insert the memory card before powering on your Mio. DO NOT remove the memory card during recording. Turn the device off before removing the memory card.
- You should use separate MicroSD cards for recording and for regular data storage.
- MiTAC does not guarantee the product's compatibility with MicroSD cards from all manufacturers.

Formatting a card

Before you start recording, please format the MicroSD card to avoid malfunction caused by files not created by your Mio.

To format a memory card (all data will be erased):

1. Press ☰.
2. Select **Format** and press ✓.
3. When prompted, press ✓.

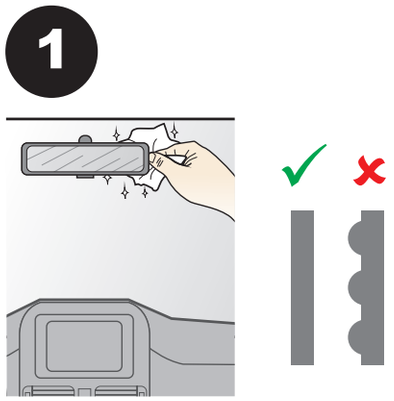
Using your Mio in a vehicle

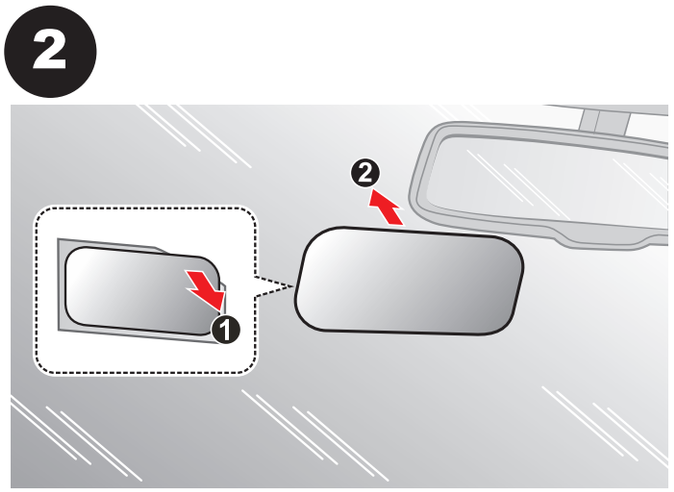
CAUTION: Select an appropriate location for mounting the device in a vehicle. Never place the device where the driver's field of vision is blocked.

To ensure the optimal recording angle, pay attention to the following:

1. Make sure that your car is parked on a level ground.
2. When adjusting the angle of mounting, make sure that the camera's view is parallel with the level ground, and the ground/sky ratio is close to 6/4.

Use cable clips to secure the power cord so that it does not interfere with driving. To ensure the highest quality recordings, you are advised to place your Mio near the rear view mirror.





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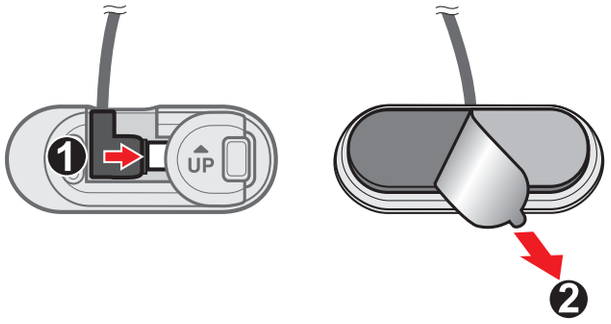

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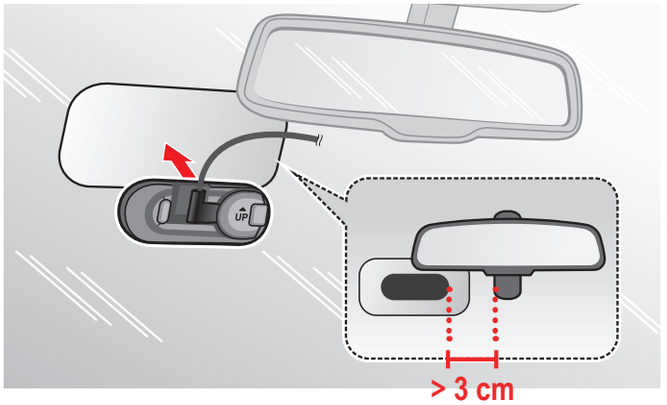

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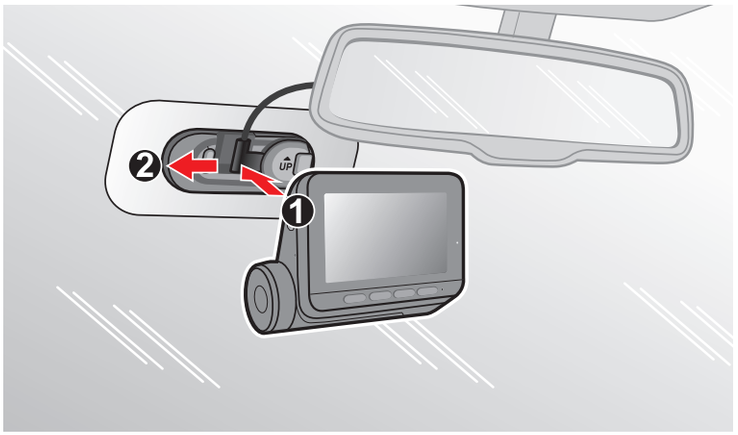

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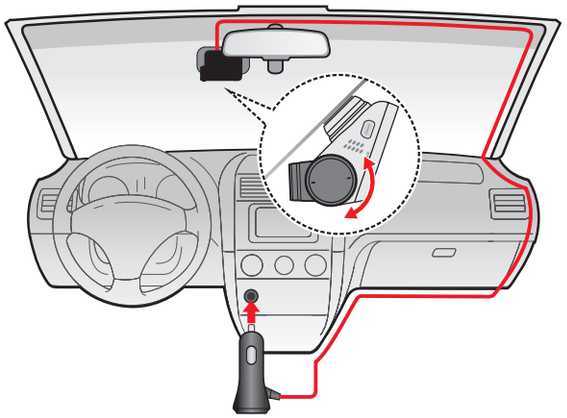


CAUTION: Connect the power source to the cradle for powering. Do not power the device from both the cradle and the Micro-USB connector on the device.

Turning your Mio on and off

Once the vehicle engine is started, your Mio automatically powers on.

When you power on your Mio for the first time, follow the on-screen prompts to complete the following:

1. Select your preferred language.
2. Set up the correct date and time for your recordings. Press + / − to adjust the value of the selected field, and press → to change to the next setting field.

If the screen turns off after the enabled set timer (recording is still in progress), press any of the keys to turn on the screen again.

Occasionally, you may need to perform a hardware reset when your Mio stops responding or if it appears to be “frozen” or unresponsive. To restart your Mio, insert a small rod (such as a straightened paperclip) into the reset button of your Mio.

Recording in driving mode

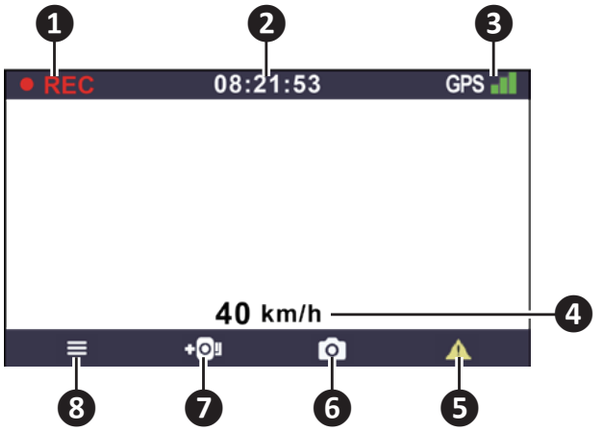
Continuous recording

The system will automatically begin continuous recording shortly after start-up.

When recording is in progress, you can manually stop recording by pressing ≡. Press ↩ to return to the recording screen; the system will start recording automatically.

The recording may be divided into several video clips; recording will not stop between video clips. When your memory card fills up with continuous recordings, it will automatically record over the oldest existing files in this category.

The continuous recordings can be found in the “Normal” category for file playback.



1. Recording indicator
2. Time display
3. GPS signal
4. Current GPS car speed
5. Manually starts an event recording.
6. Takes a photo.
7. Adds a custom safety (speed) camera.
8. Opens the Menu screen.

Event recording

By default, if an event happens, such as a sudden impact, high speed driving, an aggressive turn or an accidental crash during continuous recording, the G sensor will prompt your Mio to start recording the event.

The event recording will save the duration from seconds before the event until seconds after the event. The event recording can last if the sensor is triggered again during the recording. When your memory card fills up with event recordings, it will automatically record over the oldest existing files in this category.

If you want to manually start an event recording while continuous recording is in progress, press the Event button ( ). You can manually stop recording by pressing . The system will start recording automatically.

The event recordings can be found in the “Event” category for file playback.

Parking mode

✎ This feature is not available on all models.

Your dash cam supports the parking recording function. The Parking mode is disabled by default. Before enabling the Parking mode, please check the memory storage allocation of your device. Select ☰ > **System** > **Storage Allocation** to set a proper allocation for parking recording. Changing the allocation will erase the memory card, so save any videos or photos to your computer first.

You can enable the function by selecting ☰ > **Parking Mode** > **Detection** > **Smart Mode** or **Passive Powered Parking Mode**.

- **Smart Mode**: Supports recordings that are triggered by the G sensor and motion detection. Smart parking mode is activated automatically after ignition key is in off position or when the car stops moving for about 5 minutes, depending on Auto Entry settings. For this mode, you must use an additional power source such as Mio Smart Box uninterruptible power cable which is sold separately.
- **Passive Powered Parking Mode**: Supports recordings after the G sensor detections are triggered. When this Parking mode is enabled, the system will enter the Parking mode automatically after the device is power off. This Parking mode is powered by internal dash cam battery and it should last up to 48 hours. It may be shorter depending on the amount of triggers and temperature.

When the Parking mode detection is enabled, the system will enter the Parking mode when the car stops moving for about 5 minutes. The screen will be turned off. To turn on the screen:

- **Smart Mode**: Press any of the buttons at any time.
- **Passive Powered Parking Mode**: Press any of the buttons when a parking recording is triggered.

In the Parking mode, parking recordings could be triggered only when movements or vibrations are detected. The parking recording will save the duration from seconds before the event until seconds after the event. The parking recording can last if the sensor is triggered again during the recording. When your memory card fills up with parking recordings, it will automatically record over the oldest existing files in this category.

To exit the Parking mode and resume continuous recording, press . If movements are detected and recorded during the Parking mode, you will be asked to playback the video when you exit the Parking mode.

The parking recordings can be found in the “Parking” category for file playback.

Capture mode

Your Mio allows you to take a photo: press .

The photos can be found in the “Photo” category for file playback.

Playback mode

To select a video or photo for playback:

1. Press > **File Playback** > .
2. Select the desired type and then press .
3. Press / to select the desired file from the list and then press .

4. Press / to view the previous/next file.
5. When viewing a photo, you can press to delete the file.
6. When viewing a video, you can press to do the following:
    - **Play/Pause**: Starts or pauses the playback.
    - **Move to Event**: Moves the continuous recording to the “Event” category.
    - **Delete**: Deletes the file.

✎ It is recommended to play the videos on your computer or media player for optimal viewing experiences.

✎ Deleted files cannot be recovered. Make sure to back up your files before deletion.

Safety camera alerts

CAUTION: For legal reasons, the safety camera function is not available in all countries.

You can receive alerts to warn you about the locations of safety (speed) cameras which will enable you to monitor your speed through these areas.

When a safety camera appears and is positioned in the detectable direction, you will receive alerts. The screen will display the visual alert and you will also receive audio warnings.

When the alert sound setting is set to **Beep**:

- When your car approaches a safety camera, you will receive a normal beep alert.
- When your car approaches a safety camera at a speed over the set threshold, you will receive a persistent beep alert until your car speed drops lower than the appropriate speed limit.

- When your car passes through a safety camera, you will be notified by a different beep alert.

Adding a safety camera

✎ You can add a custom safety camera only when a GPS fix is established.

Your dash cam allows you to customise the safety camera database. You can add up to 100 custom safety cameras in your dash cam.

Follow the steps to configure a custom safety camera:

1. To add a custom safety camera in the current location, press on the recording screen.
2. The next time when you pass by the location, you will receive alerts by the dash cam.
3. To view the information of the custom safety camera, select > **SafetyCam** > **Custom SafetyCam** and then select the safety camera that you want to check.
4. Press to remove the custom safety camera from the dash cam.

Updating safety camera data

MiTAC does not warrant that all types and locations of safety camera data are available as cameras may be removed, relocated or new cameras installed.

Occasionally, MiTAC may offer you updates of safety camera data. Visit the Mio website for available downloads and follow the instructions to complete update.

Getting connected

MiVue Pro app

The MiVue Pro app allows you to view, share and back up the videos recorded on a MiVue dash cam via WIFI. Search for "MiVue Pro" in Apple App Store or in Google Play Store to download the app for free.

✎ This feature is not available on all models.

✎ The WIFI connection between your Mio and smartphone is not Internet-enabled.

Setting up a WIFI connection

✎ The MiVue Pro app is compatible with iOS 9.0 (and above) and Android 5.0 (and above) devices. MiTAC does not guarantee the product's compatibility with smartphones from all manufacturers.

✎ Not all MiVue dash cam models support the MiVue Pro app or all its features.

The WIFI function allows you to connect the dash cam to your smartphone. The WIFI function is disabled by default. You can enable WIFI by selecting ☰ > **WIFI** > **On**. Once enabled, the WIFI setting screen displays the SSID and password of the dash cam.

On your smartphone, follow the steps to set up the WIFI connection.

1. Make sure that you have enabled the WIFI function on the smartphone.
2. Open the MiVue Pro app and tap the "+" icon.
3. Tap **Select WIFI** and then select the dash cam you want to connect to.
4. Tap **Done** to complete the WIFI connection. The WIFI icon (📶) on the dash cam turns green, indicating that the dash cam is connected to the smartphone

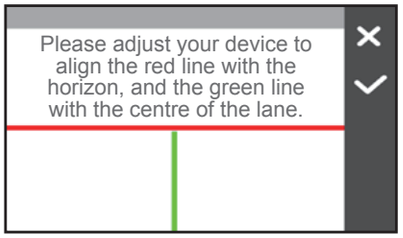
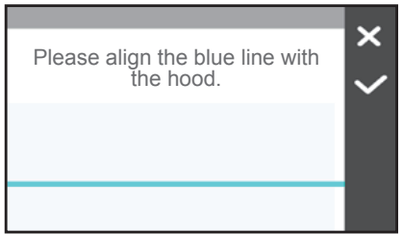
and paired with the MiVue Pro app.

5. Once the devices are connected, the screen will display the main page ( ).

Customising the settings

To customise the system settings, press .

✎ Not all setting items and options are available for all models.

Item	Description
File Playback	Plays the recorded videos and photos.
Camera	Press to enter Camera mode.
WIFI	Turns on or off WIFI, and changes the WIFI password.
Sound Recording	Sets if you want to include sounds in the recordings.
Driving Safety	• **Calibration**: You are advised to calibrate the system constantly in order to be alerted properly. Follow the steps to calibrate the system. 1. Drive the vehicle in the middle of the lane. 2. Ask a passenger to select this option and then follow the on-screen instructions to complete calibration.  

Item	Description
	• **LDWS**: Select **Beep** or **Voice** to enable the Lane Departure Warning System (LDWS) function. The system will alert you when it detects that the GPS car speed is over 60 km/h and the car has strayed from its intended lane. • **Headlight Reminder**: Once enabled, the system will remind you to turn the lights on when you are driving after dark. • **Driver Fatigue Alert**: Once enabled, the system will remind you to take a break for a long-distance drive. • **Eco Drive Indicator**: Once enabled, the system will display the Eco drive indicator on the screen. The colour of the indicator will change (red, yellow or green) depending on your driving status to remind you to drive more efficiently. • **FCWS**: Select Beep or Voice to enable the Forward Collision Warning System (FCWS) function. The system will alert you when the car moves slowly and gets too close to the car ahead. • **Stop and Go**: Once enabled, the system will alert you when the car ahead has proceeded to go after being stopped for longer than 10 seconds.

SafetyCam	• **Detection**: Enables or disables the safety camera alert.
	• **Alert Sound**: Turns on (**Beep** or **Voice**) or off (Mute) the alert sound.
	• **Alert Distance**: The system will alert you at a preset distance (**Short**, **Medium** or **Long**) when a safety camera is detected.
	• **Alert Method**
	  • **Smart Alert**: Sets the alert distance function according to the current GPS car speed.
	  • **Standard Alert**: Sets the alert distance function according to the speed limit.

Item	Description
	● **Threshold**: Sets the speed value for your Mio to start offering alerts. ● **Cruise Speed Alert**: Sets the limit for the cruise speed. When you drive at a cruise speed over the set value, you will receive alerts by your Mio. ● **Custom SafetyCam**: Lists all custom safety cameras which are sorted by the created time.

Parking Mode	● **Detection**: When enabled, your Mio will automatically start recording when it detects movements or if an event happens in the parking mode.
	  ● **Smart Mode**: Supports recordings that are triggered by the G sensor, and the Auto Entry (entering the parking mode automatically) and motion detection functions.
	  ● **Passive Powered Parking Mode**: Supports recordings that are triggered by the G sensor. The Auto Entry and motion detection functions are turned off.
	● **Detection Method**: Sets the parking detection method to **Both Motion & G-sensor** or **Only G-sensor**.
	● **Auto Entry**: Sets the mode (**Easy**, **Medium** or **Difficult**) for the system to enter the parking mode automatically.
	● **G-Sensor Sensitivity**: Sets the sensitivity level of the G sensor that allows automatic triggering of the parking recording when your Mio is in the parking mode.
	● **Motion Detection**: Sets the sensitivity level of motion detection to **Low**, **Medium** or **High**.
	● **Motion Detection Area**: Sets the area of motion detection to **Whole Area** or **Main Area Only**.

Item	Description
	• **LED Indicator**: Turns on or off the parking indicator on the dash cam. (This is applicable only when your Mio is in the smart parking detection mode.)
Video Recording	• **Video Clip Length**: Sets the length of each video clip for a continuous recording. • **Video Resolution**: Sets the resolution of the video. • **Frequency**: Sets the frequency for the camera to avoid problems caused by artificial light sources that are not constant. • **EV**: Sets the exposure level to adjust the brightness of the image. • **G-Sensor Sensitivity**: Sets the sensitivity level of the G sensor that allows automatic triggering of the event recording while continuous recording is in progress. • **Stamps**: Sets the information that will be displayed on the recorded video. • **Speed Stamp**: Displays the driving speed on the recorded video. • **Text Stamp**: Displays customisable text information.
System	• **Satellites**: Displays the status of the GPS/GLONASS signal reception. You can press and then select GPS or GLONASS for better signal reception if the need arises. • **Date/Time**: Sets the system date and time. • **Welcome Sound**: Enables or disables the notification sounds during start-up.

Item	Description

	• **System Sound**: Enables or disables system notification sounds.
	• **Volume**: Adjusts the volume level.
	• **LCD Standby**:
	  • **Always On**: Keeps the LCD on.
	  • **HUD**: Turns off the LCD (in specified time) but still displays the time and speed information.
	  • **10 sec** / **1 min** / **3 min**: Sets the timer for the LCD to turn off automatically after recording starts.
	• **Language**: Sets the language.
	• **Distance Unit**: Sets the preferred distance unit.
	• **Storage Allocation**: The system provides 4 memory configurations to store the videos and photos. Select the proper configuration based on your usage.
	• **Restore to Defaults**: Restores the system settings to the factory defaults.
	• **Version**: Displays the software information.

Format	Formats a memory card. (All data will be erased.)

MiVue Manager™

MiVue Manager is a tool for you to view the videos recorded on a Mio dash cam.

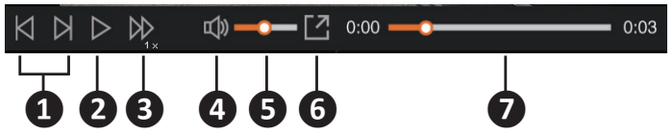
✎ Not all features are available for every model.

Installing MiVue Manager

Download MiVue Manager from the Support page of Mio website (www.mio.com/support) and follow the on-screen prompts to install it. Make sure to download the correct software version (Windows or Mac) according to your computer's operating system.

Playing the recording files

1. Remove the memory card from your Mio and access the card on the computer via a card reader. You are advised to copy the recording files to your computer for backup and playback.
2. Start MiVue Manager on the computer.
   - By default, MiVue Manager shows the calendar and the file list on the right.
   - When a recording file exists, you will see the date marked with "•." Click that date to display the files that were recorded on that date.
   - You can select the file type to display: **Event** / **Normal** / **Parking**.
   - To display all files in the current folder, click **All**. To return to the calendar view, click **Calendar**.
3. Double-click the desired file on the file list to start playback.
4. The playback controls are described as follows:



❶	Skips to the previous / next file on the list.

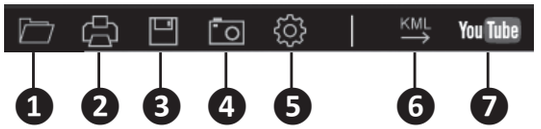
❷	Starts or pauses the playback.
❸	Changes the playback speed to 1/4x, 1/2x, 1x (default), 1.5x, or 2x.
❹	Mutes or unmutes the volume.
❺	Adjusts the volume level.
❻	Plays the video in full screen.
❼	Displays the playback progress. You can click on a point along the track bar to move directly to a different location for the playback.

5. During playback, you can view more driving information from the dashboard panel and the G sensor chart that are displayed below the video playback screen.

   - On the dashboard panel, click to display the map screen.
   - The G sensor chart displays data in 3-axis waveform about the car's shift forward/backward (X), to the right/left (Y) and upward/downward (Z).

   ✎ The map screen may not display when the computer is not connected to the Internet or when your MiVue model does not support the GPS function.

6. The tool bar allows you to do the following:



❶	Selects the folder that stores the recording files.
❷	Previews and prints the current video image.
❸	Saves the selected files to the specified location on your computer.
❹	Captures and saves the current video image to the specified location on your computer.

❺	Opens the Settings Menu. The Settings items are described as follows: ● **Change Language**: Sets the display language of MiVue Manager. ● **Change Skin**: Sets the colour scheme of MiVue Manager. ● **Check for Update**: Checks if there is any new version of MiVue Manager. (Internet access is required for this feature.) ● **About**: Displays the version and copyright information of MiVue Manager.
❻	Exports the GPS information of the selected file in the KML format to the specified location on your computer.
❼	Uploads the selected file to YouTube™.

For more information

Caring for your device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use

on portable devices with LCD panels may be used to help protect the screen from minor scratches.

- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- To discourage theft, do not leave the device and accessories in plain view in an unattended vehicle.
- Overheating may damage the device.

About GPS

- GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipment.
- GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (such as trees, tunnels, viaducts and tall buildings).
- The GPS positioning data is for reference only.

Regulatory information

For regulatory identification purposes, MiVue 82x series is assigned a model number of N631.

CE

Products with the CE marking comply with the Radio Equipment Directive (RED) (2014/53/EU) - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

- EN 300328
- EN 301489-1/-17-19+
- EN 303413
- EN 50498
- EN 55032+24
- EN 62368-1
- EN 62479
- IEC60950-1:2005
- IEC60950-1"2005/AMD1:2009
- IEC60950-1"2005/AMD2:2013

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

Declaration of conformity

Hereby, MiTAC declares that this N631 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

WEEE

This product must not be disposed of as normal household waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE – 2012/19/EU). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.

Safety precautions

About charging

- Use only the charger supplied with your device. Use of another type of charger may result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with “LPS”, “Limited Power Source” and output rated + 5 V dc / 2 A.

About the charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.
- Allow adequate ventilation around the charger when using it to operate the device. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.

- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About the battery

- CAUTION! This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns do not disassemble, crush, puncture or dispose of in fire or water.
- Use a specified battery in the equipment.
- Important instructions (for service personnel only)
    - Caution! Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
    - Replace only with the same or equivalent type recommended by the manufacturer.
    - The battery must be recycled or disposed of properly.
    - Use the battery only in the specified equipment.

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Trademark
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Disclaimer
Specifications and documents are subject to change without notice. MiTAC does not warrant this document is error-free. MiTAC assumes no liability for damage incurred directly or indirectly from errors, omissions, or discrepancies between the device and the documents.

Note
Not all models are available in all regions.
Depending on the specific model purchased, the colour and look of your device and accessories may not exactly match the graphics shown in this document.

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